

Intermat)	Departmental
York County)	Findings of Fact and Order
Biddeford, Maine)	Air Emission License
A-302-71-J-M)	Amendment #3

After review of the air emissions license minor revision request, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

Intermat of Biddeford, Maine has submitted a minor revision request for the addition of a small retort atmospheric carbonizer.

Air Emission License A-302-71-G-R was issued on June 19, 2000, permitting the operation of emission sources associated with Intermat's carbon composite manufacturing facility. The license was subsequently amended on January 8, 2001 (A-302-71-H-M) and January 22, 2003 (A-302-71-I-M).

II. MINOR REVISION DESCRIPTION

Intermat is proposing to install a small retort atmospheric carbonizer, pit type electrical retort furnace, at its facility in Biddeford. Currently Intermat operates one atmospheric carbonizer (35.5" diameter by 79" tall) which exhausts to an incinerator. Fiber matrixes that have been impregnated with pitch are heated in the carbonizer. The hydrocarbons emitted from the carbonizing process are controlled by the incinerator which operates at a temperature of at least 1600°F with a minimum retention time of 0.5 seconds. The current carbonizer has a maximum raw material process rate of 1200 lb/56 hrs.

Intermat proposes to put a second, smaller carbonizer next to the existing atmospheric carbonizer. The smaller carbonizer would exhaust into the existing incinerator. Intermat is proposing to operate only one of the carbonizers at a time, with no increase in licensed emissions. The smaller carbonizer can be used when the process does not require the larger unit to be used.

This second carbonizer will have a raw material process rate of no more than 350 lb/48 hrs. Its dimensions shall be equal to or less than 26" diameter and a height of 37".

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The Department approves the installation and operation of a smaller atmospheric carbonizer since the new unit does not change the process or the emissions from the facility, it will only be operated if the existing larger unit is off-line, and it will be controlled by the incinerator.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-302-71-J-M subject to the conditions found in Air Emission License A-302-71-G-R and subsequent amendments A-302-71-H-M and A-302-71-I-M, in addition to the following conditions:

New Conditions

(28) Atmospheric Carbonizer #2

- A. Intermat may install and operate a second retort atmospheric carbonizer that shall be exhausted to the incinerator currently serving the existing atmospheric carbonizer. The incinerator shall be operated for the entire duration of the carbonization process.
- B. Atmospheric carbonizer #2 shall have a maximum nominal process load working zone equal to or less than a 26" diameter and a height of 37" and a raw material process rate of no more than 350 lb/48 hrs. Once the proposed atmospheric carbonizer #2 is purchased, Intermat shall submit the specifications of the unit, including size, to the Department.
- C. Intermat shall operate the atmospheric carbonizer #2 only when the existing atmospheric carbonizer is off-line. At no time shall the two carbonizers be operated simultaneously. Intermat shall maintain records documenting compliance with the single unit operational restriction.

[MEDEP Chapter 115, BACT]

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(29) This amendment shall expire concurrently with Air Emission License A-302-71-G-R. [MEDEP Chapter 115]

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 3, 2003

Date of application acceptance: October 3, 2003

Date filed with the Board of Environmental Protection: _____

This Order prepared by Kathleen E. Molokie, Bureau of Air Quality.